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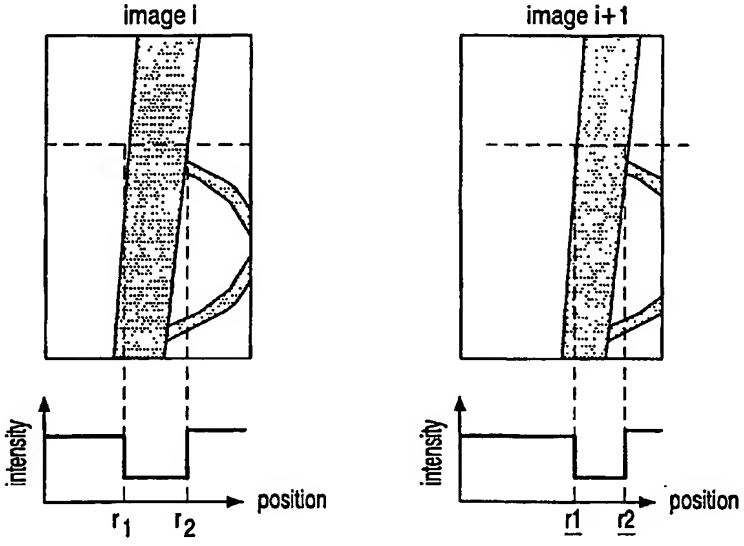
(54) Title: SEGMENTING A SERIES OF 2D OR 3D IMAGES



(57) Abstract: The invention relates to an apparatus having means for segmenting a series of 2D or 3D images obtained by monitoring a patient's organ or other body part, wherein a first segmentation is carried out on a first image of the series of images and wherein the first segmentation is used for the subsequent segmentation of the remainder of images of said series of images. In relation to the images said means carry out a series of transformations wherein each separate transformation embodies a fitting operation between two images of said series of images, and wherein substantially all images of the series of images are subject of such a transformation. The first segmentation on the first image of the series of images is modified and subsequently applied to any further image of the series of images according to the transformation or sequence of transformations that fits the said first image to said further image of the series of images.

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